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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: [year=2009; month=3; day=6; hr=15; min=32; sec=18; ms=271;]

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Application No: 10593413

Version No: 2.0

Input Set:

Output Set:

Started: 2009-02-13 08:53:40.278

Finished: 2009-02-13 08:53:41.640

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 362 ms

Total Warnings: 9

Total Errors: 0

No. of SeqIDs Defined: 11

Actual SeqID Count: 11

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)

SEQUENCE LISTING

<110> Kim, Hyo-Joon

<120> ANTI-OBESE IMMUNOGENIC HYBRID POLYPEPTIDES AND ANTI-OBESE VACCINE
COMPOSITION COMPRISING THE SAME

<130> 0220.00002

<140> 10593413

<141> 2009-02-13

<160> 11

<170> PatentIn version 3.5

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<211> 15

<212> PRT

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<223> Synthesized

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cctatcttca atgatgttta ttggattgca ttcctcgacc gtaatgttcc tcctatcttc 180

aatgatgttt attggattgc attc 204

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Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
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Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
20 25 30

Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
35 40 45

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
50 55 60

Trp Ile Ala Phe
65

<210> 6
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<212> DNA
<213> Hepatitis B virus

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tattttcctg ctggtggctc cagttccgga acagtaaacc ctgttccgac tactgcctca 120
cccatatcgt caatcttctc gaggactggg gaccctgcac cgaacctcga gcggtcataa 180

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<212> PRT
<213> Hepatitis B virus

<400> 7

Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg
1 5 10 15

Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
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Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
35 40 45

Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
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atcttcaatg atgtttattg gattgcattc ctcgaccgta atgttcctcc tatcttcaat 180
gatgtttatt ggattgcatt cctcgaccgt aatgttcctc ctatcttcaa tgatgtttat 240
tggattgcat tcctcgacat gcagtggaac tccaccacat tccaccaagc tctgctagat 300
cccagagtga ggggcctata ttttcctgct ggtggctcca gttccggaac agtaaaccct 360
gttccgacta ctgcctcacc catatcgtca atcttctcga ggactgggga ccctgcaccg 420
aacctcgagc ggtcataa 438

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Leu Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
20 25 30

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
35 40 45

Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
50 55 60

Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp
65 70 75 80

Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn
85 90 95

Asp Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr
100 105 110

Phe His Gln Ala Leu Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro
115 120 125

Ala Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala
130 135 140

Ser Pro Ile Ser Ser Ile Phe Ser Arg Thr Gly Asp Pro Ala Pro Asn
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Leu Glu Arg Ser

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<212> DNA

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tattttcctg ctggtggctc cagttccgga acagtaaacc ctgttccgac tactgcctca 180

cccatatcgt caatcttctc gaagactggg gacctgcac cgaacctga ccgtaatgtt 240

cctcctatct tcaatgatgt ttattggatt gcattcctcg accgtaatgt tcctcctatc 300

ttcaatgatg tttattggat tgcattcctc gaccgtaatg ttcctcctat cttcaatgat 360

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attgcattct aa 432

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$\langle 211 \rangle$ 143

<212> PRT

<213> Artificial Sequence

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<223> Synthesized

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Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15

Leu Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu
20 25 30

Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
35 40 45

Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser
50 55 60

Ile Phe Ser Leu Thr Gly Asp Pro Ala Pro Asn Leu Asp Arg Asn Val
65 70 75 80

Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn
85 90 95

Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg
100 105 110

Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp
115 120 125

Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
130 135 140